

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	151	426/50.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 12:13
S2	1	"5919500".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 12:28
S3	0	("2006204616").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/01 13:43
S4	0	("JP2006523442").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/01 13:43
S5	0	("JP2006523442").PN.	DERWENT	OR	OFF	2008/11/01 13:43
S6	1	("2006523442").PN.	DERWENT	OR	OFF	2008/11/01 13:43
S7	5	("3787582").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/11/01 13:54
S8	2	("6365219").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/11/01 13:54
S9	2	("4051267"   "6024991").PN. OR ("6365219").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 14:03
S10	1	tea with (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) with (haze or turbid or turbidity or hazy or cloud\$5) with enzym\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 14:46
S11	18	("3812266"   "3959497"   "4051267"   "4109057"   "4639375"   "4748033"   "5043176"   "5258188").PN. OR ("5445836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 14:52
S12	346357	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5) enzym\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 14:53
S13	1141	S12 and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase")	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 14:57

S14	19954	S12 and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL")	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 15:05
S15	21	S14 and 426/50.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 15:05
S16	2513	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5) and enzym\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 15:35
S18	779	426/422.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 15:42
S19	4	426/422.ccls. and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL") and tea	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 15:42
S20	559	426/597.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 15:43
S21	495	426/597.ccls. and tea	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 15:43
S22	70	426/597.ccls. and tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud \$5) and enzym\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/01 15:44
S23	2513	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5) and enzym\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/03 17:25
S24	192	S23 and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL")	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/03 17:25
S25	70	426/597.ccls. and tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud \$5) and enzym\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 09:56

S26	1	S25 and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL")	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 09:56
S27	18	("3812266"   "3959497"   "4051267"   "4109057"   "4639375"   "4748033"   "5043176"   "5258188").PN. OR ("5445836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 10:13
S28	7	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5) and enzym\$5	EPO; JPO; DERWENT	OR	ON	2008/11/04 10:15
S29	7	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5) and enzym\$5	DERWENT	OR	ON	2008/11/04 10:15
S30	5	("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase") and tea	EPO; JPO; DERWENT	OR	ON	2008/11/04 10:16
S31	76	("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "pectinase") and tea	EPO; JPO; DERWENT	OR	ON	2008/11/04 10:17
S32	346523	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5) enzym\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 11:50
S33	1193	S32 and ((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pectolyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 11:50
S34	4508	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 11:51

S35	24	S34 and ((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pectolyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 11:51
S36	146	tea and ((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pectolyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 11:52
S37	146	tea and ((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pectolyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1))	US-PGPUB; USPAT	OR	ON	2008/11/04 11:52
S38	113	426/50.ccls.	US-PGPUB; USPAT	OR	ON	2008/11/04 14:41
S39	0	"3163539.pn"	US-PGPUB; USPAT	OR	ON	2008/11/04 16:12
S40	0	"3163539.pn"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 16:12
S41	0	"3163539.pn."	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 16:12
S42	2	"3163539".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 16:12
S43	5	tea and ((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pectolyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1))	EPO; JPO; DERWENT	OR	ON	2008/11/05 08:20
S44	5	tea and ((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pecto near3 lyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1))	EPO; JPO; DERWENT	OR	ON	2008/11/05 08:21

S45	5	tea and pectin near1 lyase	EPO; JPO; DERWENT	OR	ON	2008/11/05 08:22
S46	4	tea and ((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pectolyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1))	DERWENT	OR	ON	2008/11/05 08:26
S47	2664	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5) and enzym\$5	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/30 12:23
S48	1292	("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/30 12:23
S49	25	S47 and S48	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/30 12:23
S50	153	426/50.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/30 12:41
S51	383149	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5) enzym\$5	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 13:43
S52	22361	S51 and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL")	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 13:43
S53	567	S52 and "426".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 13:43
S54	6375	("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL") and tea	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 13:47
S55	4	426/422.ccls. and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL") and tea	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 13:48

S56	86	("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "pectinase") and tea	EPO; JPO; DERWENT	OR	ON	2009/10/27 13:48
S57	0	((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pectolyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1)) and (basidiomycotina or ascomycotina)	EPO; JPO; DERWENT	OR	ON	2009/10/27 13:50
S58	13	((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pectolyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1)) and (basidiomycotina or ascomycotina)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 13:50
S59	0	((Pectin near3 lyase) or (pectin near3 transeliminase) or (endo near3 pectin near3 lyase) or (polymethylgalacturonic near3 transeliminase) or (pectin near3 methyltranseliminase) or (pectolyase) or (poly\$1methyl\$1 near3 galacturonic near3 \$5eliminase\$1)) and (basidiomycotina or ascomycotina)	EPO; JPO; DERWENT	OR	ON	2009/10/27 14:22
S60	0	pectinase and (basidiomycotina or ascomycotina)	EPO; JPO; DERWENT	OR	ON	2009/10/27 14:22
S61	30	pectinase and (basidiomycotina or ascomycotina)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 14:22
S62	0	pectinase near (basidiomycotina or ascomycotina)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 14:23
S63	7	"2229401"	EPO; JPO; DERWENT	OR	ON	2009/10/28 10:43
S64	12	"10027405"	EPO; JPO; DERWENT	OR	ON	2009/10/28 10:44
S65	0	("3787582").URPN.	USPAT	OR	OFF	2009/10/28 10:52
S66	1	"6365219".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 10:53

S67	2	("4051267"   "6024991").PN. OR ("6365219").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 10:55
S68	25	"353188"	EPO; JPO; DERWENT	OR	ON	2009/10/28 11:05
S69	1	(basidiomycotina or ascomycotina or ascomyc\$4 or Basidiomycetes or Coprinus or Phanerochaete or Coriolus or Trametes) and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pecto \$2lyase")	EPO; JPO; DERWENT	OR	ON	2009/10/28 11:21
S70	134	(basidiomycotina or ascomycotina or ascomyc\$4 or Basidiomycetes or Coprinus or Phanerochaete or Coriolus or Trametes) and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pecto \$2lyase")	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 11:23
S71	0	(basidiomycotina or ascomycotina or ascomyc\$4 or Basidiomycetes or Coprinus or Phanerochaete or Coriolus or Trametes) near ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pecto \$2lyase")	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 11:23
S72	1	(basidiomycotina or ascomycotina or ascomyc\$4 or Basidiomycetes or Coprinus or Phanerochaete or Coriolus or Trametes) with ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pecto \$2lyase")	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 11:23
S73	4	"9806807"	EPO; JPO; DERWENT	OR	ON	2009/10/28 11:26
S74	2	435/223.ccls. and (basidiomycotina or ascomycotina or ascomyc\$4 or Basidiomycetes or Coprinus or Phanerochaete or Coriolus or Trametes) and pectinase	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 11:41
S75	1	"5912407".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 12:00
S76	15	S70 and "426".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 12:30

S77	1	"5998197".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 13:18
S78	1	(isolated or pure or purified) near ((pectin near lyase) or pectinase) and (side near activities)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 16:33
S79	3	(isolated or pure or purified) near ((pectin near lyase) or pectinase) and ((enzyme or side) near activities)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/28 16:34
S80	12	ascomycotina same ATOC	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 10:17
S81	5	(isolated or pure or purified) near ((pectin near lyase) or pectinase) and (clarif\$7)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 12:06
S82	179	(isolat\$3 or pure or purified) near ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 12:12
S83	2	(isolat\$3 or pure or purified) near ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL") and (side near activit\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/29 12:13
S84	408384	tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf-life or store or hold) and (haze or turbid or turbidity or hazy or cloud\$5) enzym\$5	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/08 16:40
S85	61	S84 and ("Pectin lyase" or "pectin transeliminase" or "endo-pectin lyase" or "polymethylgalacturonic transeliminase" or "pectin methyltranseliminase" or "pectolyase" or "PL" or "PNL" or "PMGL") and ((cool\$3 or chill\$3) near extract)	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/08 16:40
S86	32	426/597.ccls. and tea and (storage or storing or stored or shelf\$1life or "shelflife" or shelf- life or store or hold) and (haze or turbid or turbidity or hazy or cloud \$5) and enzym\$4 and ((cool\$3 or chill\$3) near (tea or extract))	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/08 16:48
S87	1	"5,827,560".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/08 17:01

### EAST Search History (Interference)



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**6/9/2010 2:53:57 PM**

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